

New Jersey Integrated Water Quality Monitoring and Assessment Report (The Integrated Report)

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Water Quality Inventory Report 305(b) Report

- Status of water quality in the state.
- Trends.
- Information regarding causes of impairment and sources of pollution.
- Description of water quality management programs.

Federal 303d Rules

(303(d) List = List of Water Quality Limited Waters

- Threatened Waters - SWQS not expected to be met within 2 years
- Impaired Waters - SWQS are not met or not expected to be met despite implementation of:
 - technology based effluent limitations
 - effluent standards more stringent than technology based
 - other pollution controls (e.g., BMPs)
 - site specific allocations
- Requires a Total Maximum Daily Load (TMDL) Assessment

New Jersey 2002 Integrated Water Quality Monitoring and Assessment Report

- Both Based upon same information -

- 305(b) Report

- Classification based on how well waterways support WQS as defined under Section 305(b) of the Clean Water Act.
- full support, partial support or no support

- 303 (d) List

- Using same data, waterways assessed under Section 305(b) of the Clean Water Act.
- unimpaired or impaired

INTEGRATED APPROACH

Integrated List: EPA's Original Proposal

5 Categories (Sublists)

CATEGORY 1: ATTAINMENT

(Attaining water quality standard and no use is threatened)

CATEGORY 2: LIMITED ATTAINMENT DATA

(Attaining some of the designated uses; no use is threatened; insufficient data available to determine if the remaining uses are attained or threatened)

CATEGORY 3: INSUFFICIENT DATA

(Insufficient or no data and information to determine if any designated use is attained)

INTEGRATED APPROACH

5 CATEGORIES (CONT'D)

CATEGORY 4: IMPAIRED BUT NO TMDL

(Impaired or threatened for one or more designated uses but does not require the development of a TMDL;

A) TMDL has been completed;

B) Other enforceable pollution controls in place

C) Impairment is not caused by a pollutant (Pollution e.g. channelization)

CATEGORY 5: NON-ATTAINMENT

= The water quality standard is not attained - Total Maximum Daily Load (TMDL) Modeling Assessment indicated.

= **303(d) List**

NJDEP Assessment Process for Assigning Waterbodies to the 5 Listing Categories - Differs from EPA's proposal

- In NJ - listings based upon individual parameters and or ► designated uses.
- As a result: NJ does not use Sublist #2.
- In theory, one waterbody can be listed on all 4 Sublists.
- Waterbodies are presented on the List based upon individual sublists and as a single spreadsheet (Excel) which can be sorted by waterbody (to display all listings by waterbody).

Integrated Water Quality Monitoring and Assessment

Methods

(Methods Document)

Presents methods used to develop the Integrated List
including:

- the data the Department uses to assess attainment of surface water quality standards (SWQS)
- the quality assurance aspects of the data
- methods used to evaluate SWQS attainment
- placement of waterbodies on one of 5 sublists.

Integrated List Process For 2004 List and Report

- Data Solicitation for List: Feb. 2003.
- Methods Document: Public noticed with a comment period extending from June to July '03.
- Integrated List (Sublists 1-5): Public Noticed with a comment period extending from Oct. to Dec. '03.
 - <http://www.state.nj.us/dep/wmm/sgwqt/wat/integratedlist/integratedlist2004.html>
- Final Integrated List with 305(b) Elements: Due to EPA April 1 '04.
 - Sublists 1-5 & Discussions of water quality and associated issues relevant to NJ.

Use of Volunteer Data in Integrated List

- **Level (Tier) D data are currently used in the Listing.**
(Example: temperature data collected by Pequannock River Collation).
- **Level (Tier) C** possible with caveats - under DEP management consideration.
- **Level (Tier) A & B** data are not appropriate for use on the Integrated List.

Possible Delivery Avenues for Volunteer Monitoring Data for Use on the List (To be Decided)

- Data entered into STORET by volunteer groups. Water Assessment can then access data directly through STORET.
- Data entered into a database maintained by Watershed Management. Can be subsequently forwarded to Water Assessment.

QUESTIONS